INTERNATIONAL SEARCH REPORT

International Application No PCT/JP2004/010061

IPC 7	H01H85/20						
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B. FIELDS	International Patent Classification (IPC) or to both national classification and IPC SEARCHED						
	cumentation searched (classification system followed by classification symbols)						
Documentati	ion searched other than minimum documentation to the extent that such documents are included in the fields	Intellion to the extent that such documents are included in the fields searched I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and, where practical, search terms used) I search (name of data base and name of search terms used) I search (name of data base and name of search terms used) I search (name of data base and name of search terms used) I search (name of data base and name of search terms used) I search (name of data base and name of search terms used) I search (name of data base and name of search terms used) I search (name of data base and name of search terms used) I search (name of data base and name of search terms used) I search (name					
Electronic da	ata base consulted during the international search (name of data base and, where practical, search terms us	ed)					
EPO-Internal .							
C. DOCUME	ENTS CONSIDERED TO BE RELEYANT						
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.					
X	US 5 215 479 A (ARAKI MAMORU ET AL) 1 June 1993 (1993-06-01) the whole document	1-4					
X	EP 1 139 373 A (YAZAKI CORP) 4 October 2001 (2001-10-04) paragraphs '0035!, '0036!, '0040! - '0043!; figures	1-4					
X	EP 1 130 616 A (PACIFIC ENGINEERING CORP) 5 September 2001, (2001-09-05) paragraphs '0016! - '0024!; figures 1-3	1-4					
A	US 6 089 918 A (MORSE MARTIN GERARD ET AL) 18 July 2000 (2000-07-18) the whole document	1-4					
	1 .						
		d in annex.					
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but "Or priority date and not in conflict with the application cited to understand the principle or theory underly invention "X" document of particular relevance; the claimed invention involve an in							
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	NL - 2280 HV Rijswijk	1					

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/010061

C.(Continua	tion) DOCUMENTS CONSIDERED TO BE RELEVANT	1 017 01 20047 010001
	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 632 654 A (SUGIURA TOMOHIRO) 27 May 1997 (1997-05-27) column 3, line 65 - column 4, line 12; figures 1,5-7	1-4
	US 2002/126462 A1 (CVELBAR RANDALL S ET AL) 12 September 2002 (2002-09-12) paragraphs '0024!, '0030!; figures 6-10	1-4
	·	
	·	

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No
PCT/JP2004/010061

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5215479 A	01-06-1993	CA 2 DE 4	1052351 U 2051188 A1 1130222 A1 1251306 B	01-05-1992 13-03-1992 19-03-1992 08-05-1995
EP 1139373 A	04-10-2001	CA 2 EP 1	1283711 A 2342536 A1 1139373 A2 1027060 A1	12-10-2001 30-09-2001 04-10-2001 04-10-2001
EP 1130616 A	05-09-2001	BR C CA 2 CN 1 EP 1 RU 2 TW	1250466 A 0100815 A 2339394 A1 1311517 A 1130616 A2 2222071 C2 502272 B 2044038 A1	14-09-2001 06-11-2001 03-09-2001 05-09-2001 05-09-2001 20-01-2004 11-09-2002 18-04-2002
US 6089918 A	18-07-2000	NONE		
US 5632654 A	27-05-1997	JP · 8 AU AU 4	3083061 B2 3195161 A 693300 B2 4209596 A 9601419 A1	04-09-2000 30-07-1996 25-06-1998 01-08-1996 01-08-1996
US 2002126462 A	12-09-2002	NONE		